

AMENDMENTS TO THE SPECIFICATION

Page 7, Lines 7-15:

Figure 1 illustrates a dual chamber metering pump 10 of the invention as assembled in a fluid tank 20. A 12 VDC stepping motor 22 is mounted on an enclosure 24 which contains a reversing switch mechanism 94. Motor 22 drives input shaft 89 and drive gear 90 of gear box 26. Gears 92A, 92B are driven at the same speed and direction of rotation by gear 90. Lead screws 28A and 28B are vertically driven by threads within gears 92A, 92B and move in opposite directions by virtue of opposite-hand threads. The lead screws 28A, 28B are secured to pistons 30A, 30B in chambers 32A, 32B, respectively, mounted on top of valve body 34. ~~Tube-t~~ Tubular diaphragms 33A, 33B are coupled between the lower ends of pistons 30A, 30B and the lower ends of cylinders 32A, 32B to form a vapor-tight seal.